Search

```
          FILE 'CAPLUS, WPIX, USPATFULL, USPAT2' ENTERED AT 10:42:38 ON 17 NOV 2005
                     E KIM HYUNG JOON/AU
L1          67 SEA ABB=ON   PLU=ON   "KIM HYUNG JOON"/AU
L2           0 SEA ABB=ON   PLU=ON   "KIM HYUNG JOON"/AU
L3           8 SEA ABB=ON   PLU=ON   "KIM HYUNG JOON"/AU
L4           3 SEA ABB=ON   PLU=ON   "KIM HYUNG JOON"/AU
          TOTAL FOR ALL FILES
L5          78 SEA ABB=ON   PLU=ON   "KIM HYUNG JOON"/AU
                     E ZHANG JINMING/AU
L6          59 SEA ABB=ON   PLU=ON   "ZHANG JINMING"/AU
L7           0 SEA ABB=ON   PLU=ON   "ZHANG JINMING"/AU
L8           2 SEA ABB=ON   PLU=ON   "ZHANG JINMING"/AU
L9           0 SEA ABB=ON   PLU=ON   "ZHANG JINMING"/AU
          TOTAL FOR ALL FILES
L10         61 SEA ABB=ON   PLU=ON   "ZHANG JINMING"/AU
                     E GANDOUR RICHARD D/AU
L11        182 SEA ABB=ON   PLU=ON   ("GANDOUR R D"/AU OR "GANDOUR RICHARD"/AU
                                     OR "GANDOUR RICHARD D"/AU OR "GANDOUR RICHARD DAVID"/AU)
L12          5 SEA ABB=ON   PLU=ON   ("GANDOUR R D"/AU OR "GANDOUR RICHARD"/AU
                                     OR "GANDOUR RICHARD D"/AU OR "GANDOUR RICHARD DAVID"/AU)
L13          5 SEA ABB=ON   PLU=ON   ("GANDOUR R D"/AU OR "GANDOUR RICHARD"/AU
                                     OR "GANDOUR RICHARD D"/AU OR "GANDOUR RICHARD DAVID"/AU)
L14          0 SEA ABB=ON   PLU=ON   ("GANDOUR R D"/AU OR "GANDOUR RICHARD"/AU
                                     OR "GANDOUR RICHARD D"/AU OR "GANDOUR RICHARD DAVID"/AU)
          TOTAL FOR ALL FILES
L15        192 SEA ABB=ON   PLU=ON   ("GANDOUR R D"/AU OR "GANDOUR RICHARD"/AU
                                     OR "GANDOUR RICHARD D"/AU OR "GANDOUR RICHARD DAVID"/AU)
                     E YOON ROE HOAN/AU
L16         63 SEA ABB=ON   PLU=ON   "YOON ROE HOAN"/AU
L17          0 SEA ABB=ON   PLU=ON   "YOON ROE HOAN"/AU
L18         23 SEA ABB=ON   PLU=ON   "YOON ROE HOAN"/AU
L19          1 SEA ABB=ON   PLU=ON   "YOON ROE HOAN"/AU
          TOTAL FOR ALL FILES
L20         87 SEA ABB=ON   PLU=ON   "YOON ROE HOAN"/AU
L21        362 SEA ABB=ON   PLU=ON   L1 OR L6 OR L11 OR L16
L22          5 SEA ABB=ON   PLU=ON   L2 OR L7 OR L12 OR L17
L23         32 SEA ABB=ON   PLU=ON   L3 OR L8 OR L13 OR L18
L24          4 SEA ABB=ON   PLU=ON   L4 OR L9 OR L14 OR L19
          TOTAL FOR ALL FILES
L25        403 SEA ABB=ON   PLU=ON   L5 OR L10 OR L15 OR L20
L26        376 DUP REM L25 (27 DUPLICATES REMOVED)
L27        362 SEA L26
L28          7 SEA ABB=ON   PLU=ON   L27 AND ?THIOL?
L29          0 SEA L26
L30          0 SEA ABB=ON   PLU=ON   L29 AND ?THIOL?
L31         14 SEA L26
L32          7 SEA ABB=ON   PLU=ON   L31 AND ?THIOL?
L33          0 SEA L26
L34          0 SEA ABB=ON   PLU=ON   L33 AND ?THIOL?
          TOTAL FOR ALL FILES
L35         14 SEA ABB=ON   PLU=ON   L26 AND ?THIOL?
L36         14 DUP REM L35 (0 DUPLICATES REMOVED)
                     D 1-14 BIB AB

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       FILE 'REGISTRY' ENTERED AT 12:10:15 ON 17 NOV 2005
L1            1 SEA ABB=ON  PLU=ON  2885-00-9
              D


       FILE 'USPATFULL, USPAT2' ENTERED AT 12:11:25 ON 17 NOV 2005
L2         1325 SEA ABB=ON  PLU=ON  427/388100/NCL OR 427/388400/NCL OR
              427/388500/NCL
L3           72 SEA ABB=ON  PLU=ON  427/388100/NCL OR 427/388400/NCL OR
              427/388500/NCL
       TOTAL FOR ALL FILES
L4         1397 SEA ABB=ON  PLU=ON  427/388100/NCL OR 427/388400/NCL OR
              427/388500/NCL
L5            0 SEA ABB=ON  PLU=ON  L2 AND L1
L6            0 SEA ABB=ON  PLU=ON  L3 AND L1
       TOTAL FOR ALL FILES
L7            0 SEA ABB=ON  PLU=ON  L4 AND L1
L8        12136 SEA ABB=ON  PLU=ON  L2 AND ALKANETHIOL OR ((ALKANE? OR ALKYL?)
              (5A) (THIOL? OR MERCAPTAN?))
L9         1147 SEA ABB=ON  PLU=ON  L3 AND ALKANETHIOL OR ((ALKANE? OR ALKYL?)
              (5A) (THIOL? OR MERCAPTAN?))
       TOTAL FOR ALL FILES
L10       13283 SEA ABB=ON  PLU=ON  L4 AND ALKANETHIOL OR ((ALKANE? OR ALKYL?)
              (5A) (THIOL? OR MERCAPTAN?))
L11          19 SEA ABB=ON  PLU=ON  L2 AND (ALKANETHIOL OR ((ALKANE? OR
              ALKYL?) (5A) (THIOL? OR MERCAPTAN?)))
L12           3 SEA ABB=ON  PLU=ON  L3 AND (ALKANETHIOL OR ((ALKANE? OR
              ALKYL?) (5A) (THIOL? OR MERCAPTAN?)))
       TOTAL FOR ALL FILES
L13          22 SEA ABB=ON  PLU=ON  L4 AND (ALKANETHIOL OR ((ALKANE? OR
              ALKYL?) (5A) (THIOL? OR MERCAPTAN?)))
L14         130 SEA ABB=ON  PLU=ON  L2 AND ((STEEL? OR IRON?) (5A) ?GALV?)
L15          12 SEA ABB=ON  PLU=ON  L3 AND ((STEEL? OR IRON?) (5A) ?GALV?)
       TOTAL FOR ALL FILES
L16         142 SEA ABB=ON  PLU=ON  L4 AND ((STEEL? OR IRON?) (5A) ?GALV?)
L17           2 SEA ABB=ON  PLU=ON  L11 AND L14
L18           0 SEA ABB=ON  PLU=ON  L12 AND L15
       TOTAL FOR ALL FILES
L19           2 SEA ABB=ON  PLU=ON  L13 AND L16
              D 1-2 BIB AB
L20          29 SEA ABB=ON  PLU=ON  L2 AND ((STEEL? OR IRON?) (5A) (ELECTROGALV
              ? OR ELECTRO-GALV?))
L21           5 SEA ABB=ON  PLU=ON  L3 AND ((STEEL? OR IRON?) (5A) (ELECTROGALV
              ? OR ELECTRO-GALV?))
       TOTAL FOR ALL FILES
L22          34 SEA ABB=ON  PLU=ON  L4 AND ((STEEL? OR IRON?) (5A) (ELECTROGALV
              ? OR ELECTRO-GALV?))
L23         153 SEA ABB=ON  PLU=ON  L2 AND ((STEEL? OR IRON?) (5A) ?PHOSPH?)
L24           9 SEA ABB=ON  PLU=ON  L3 AND ((STEEL? OR IRON?) (5A) ?PHOSPH?)
       TOTAL FOR ALL FILES
L25         162 SEA ABB=ON  PLU=ON  L4 AND ((STEEL? OR IRON?) (5A) ?PHOSPH?)
L26          45 SEA ABB=ON  PLU=ON  L14 AND L23
L27           4 SEA ABB=ON  PLU=ON  L15 AND L24
       TOTAL FOR ALL FILES
L28          49 SEA ABB=ON  PLU=ON  L16 AND L25
L29           1 SEA ABB=ON  PLU=ON  L11 AND L26
L30           0 SEA ABB=ON  PLU=ON  L12 AND L27
       TOTAL FOR ALL FILES
L31           1 SEA ABB=ON  PLU=ON  L13 AND L28
              D BIB AB
L32        2485 SEA ABB=ON  PLU=ON  427/359000/NCL  OR 427/421000/NCL OR
              427/430100/NCL OR 427/435000/NCL OR 427/420000/NCL
L33         420 SEA ABB=ON  PLU=ON  427/359000/NCL  OR 427/421000/NCL OR
              427/430100/NCL OR 427/435000/NCL OR 427/420000/NCL
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        TOTAL FOR ALL FILES
L34       2905 SEA ABB=ON   PLU=ON  427/359000/NCL OR 427/421000/NCL OR
                 427/430100/NCL OR 427/435000/NCL OR 427/420000/NCL
L35          3 SEA ABB=ON   PLU=ON   L32 AND L1
L36          0 SEA ABB=ON   PLU=ON   L33 AND L1
        TOTAL FOR ALL FILES
L37          3 SEA ABB=ON   PLU=ON   L34 AND L1
                 D 1-3 BIB AB
L38         13 SEA ABB=ON   PLU=ON   L32 AND (ALKANETHIOL OR ((ALKANE? OR
                 ALKYL?) (5A) (THIOL? OR MERCAPTAN?)))
L39          2 SEA ABB=ON   PLU=ON   L33 AND (ALKANETHIOL OR ((ALKANE? OR
                 ALKYL?) (5A) (THIOL? OR MERCAPTAN?)))
        TOTAL FOR ALL FILES
L40         15 SEA ABB=ON   PLU=ON   L34 AND (ALKANETHIOL OR ((ALKANE? OR
                 ALKYL?) (5A) (THIOL? OR MERCAPTAN?)))
L41          1 SEA ABB=ON   PLU=ON   L38 AND ((STEEL? OR IRON?) (5A) ?PHOSPH?)
L42          0 SEA ABB=ON   PLU=ON   L39 AND ((STEEL? OR IRON?) (5A) ?PHOSPH?)
        TOTAL FOR ALL FILES
L43          1 SEA ABB=ON   PLU=ON   L40 AND ((STEEL? OR IRON?) (5A) ?PHOSPH?)

                 D BIB AB
L44          1 SEA ABB=ON   PLU=ON   L38 AND ((STEEL? OR IRON?) (5A) (ELECTROGAL
                 V? OR ELECTRO-GALV?))
L45          0 SEA ABB=ON   PLU=ON   L39 AND ((STEEL? OR IRON?) (5A) (ELECTROGAL
                 V? OR ELECTRO-GALV?))
        TOTAL FOR ALL FILES
L46          1 SEA ABB=ON   PLU=ON   L40 AND ((STEEL? OR IRON?) (5A) (ELECTROGAL
                 V? OR ELECTRO-GALV?))
                 D BIB AB
L47          1 SEA ABB=ON   PLU=ON   L38 AND ((STEEL? OR IRON?) (5A) ?GALV?)
L48          0 SEA ABB=ON   PLU=ON   L39 AND ((STEEL? OR IRON?) (5A) ?GALV?)
        TOTAL FOR ALL FILES
L49          1 SEA ABB=ON   PLU=ON   L40 AND ((STEEL? OR IRON?) (5A) ?GALV?)

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US' ENTERED AT 12:36:43 ON 17 NOV 2005

        FILE 'REGISTRY' ENTERED AT 12:36:54 ON 17 NOV 2005
L1           1 SEA ABB=ON  PLU=ON  2885-00-9


        FILE 'CAPLUS' ENTERED AT 12:37:06 ON 17 NOV 2005
L2        1503 SEA ABB=ON  PLU=ON  L1
L3          33 SEA ABB=ON  PLU=ON  L2 AND STEEL?
L4          11 SEA ABB=ON  PLU=ON  L2 AND (STEEL? (5A) ?GALV?)
L5          11 FOCUS L4 1-
             D 1-11 ALL RN
L6           0 SEA ABB=ON  PLU=ON  L2 AND (STEEL? (5A) (?ELECTROGALV? OR
             ELECTRO-GALV?))
L7          10 SEA ABB=ON  PLU=ON  L3 AND (SOLVENT? OR ALCOHOL OR ETHANOL OR
             THF OR ACETONE OR TOLUENE OR HEXANE OR FURAN OR ETHER? OR
             WATER OR H2O)
L8           8 SEA ABB=ON  PLU=ON  L7 NOT L4
L9           8 FOCUS L8 1-
             D 1-8 ALL RN

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=> => file reg
FILE 'REGISTRY'
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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=> d his


        FILE 'LREGISTRY'
L1              STR

     FILE 'REGISTRY'
L2              5 S L1
L3                SCR 1771
L4          50 S L1 AND L3
L5                SCR 2043
L6          40 S L1 AND L3 NOT L5
L7                SCR 1838
L8          50 S L1 AND L3 NOT (L5 OR L7)

     FILE 'LREGISTRY'
L9              STR L1

     FILE 'REGISTRY'
L10          50 S L9 AND L3 NOT (L5 OR L7)
L11        1033 S L9 AND L3 NOT (L5 OR L7) FUL
                SAV L11 CAM379/A
                E MXS/CI
L12       75547 S E3
L13        1018 S L11 NOT L12
L14         158 S L13 AND SI/ELS
L15         860 S L13 NOT L14
L16       87160 S STEEL#

     FILE 'HCA'
L17      730089 S L16 OR STEEL? OR STAINLESS?
L18        3764 S L14
L19         287 S L17 AND L18
L20       37338 S GALVANI?
L21          49 S L19 AND L20
L22       33785 S L15
L23         409 S L22 AND L17

     FILE 'LREGISTRY'
L24             STR L9
```

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       FILE 'REGISTRY'
L25       11 S L24 SSS SAM SUB=L11
L26      240 S L24 SSS FUL SUB=L11
              SAV L26 CAM379A/A
L27      224 S L26 AND L15


       FILE 'HCA'
L28     7693 S L27
L29      124 S L28 AND L17


       FILE 'LCA'
L30     7647 S (FILM? OR THINFILM? OR LAYER? OR OVERLAY? OR OVERLAID?
L31     6999 S FILM? OR THINFILM? OR LAYER? OR OVERLAY? OR OVERLAID? O


       FILE 'HCA'
L32    97127 S STEEL?(2A)(L31 OR GALVANI?)
              E COATINGS/CV
L33    43471 S E2 OR E3
              E COATING MATERIALS/CV
L34   263567 S E3
              E COATING PROCESS/CV
L35   120624 S E3
L36       30 S L29 AND L32
L37       30 S L29 AND (L33 OR L34 OR L35)
L38       46 S L36 OR L37
L39    42016 S (ALUMINUM# OR AL OR ZINC# OR ZN OR COPPER# OR CU)(2A)(S
L40      778 S L22 AND  L39
L41       28 S L40 AND (L33 OR L34 OR L35)


       FILE 'REGISTRY'
              E 1-OCTADECANETHIOL/CN
L42        1 S E3
              E 16-MERCAPTOHEXADECANOIC ACID/CN
L43        1 S E3


       FILE 'HCA'
L44     1457 S L42
L45      376 S L43
L46       37 S L44 AND L17
L47       17 S L46 AND L32
L48       12 S L46 AND (L33 OR L34 OR L35)
L49      203 S L44 AND L39
L50       10 S L49 AND (L33 OR L34 OR L35)
L51        1 S L45 AND L17
L52       90 S L45 AND L39
L53        4 S L52 AND (L33 OR L34 OR L35)
L54       68 S L52 AND L31
```
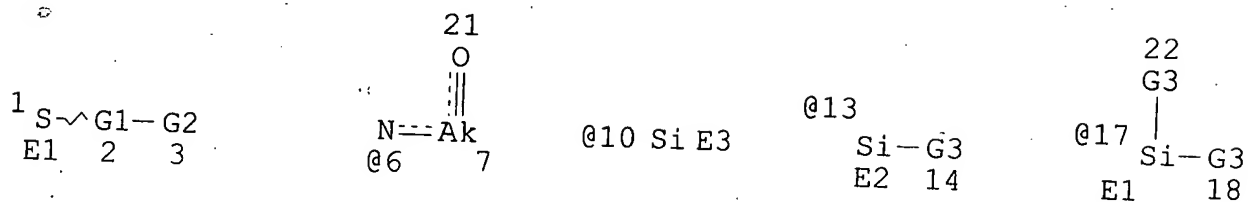
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L55              21 S L47 OR L48
L56              19 S L55 NOT L50
L57               5 S L51 OR L53
L58              63 S L54 NOT L57
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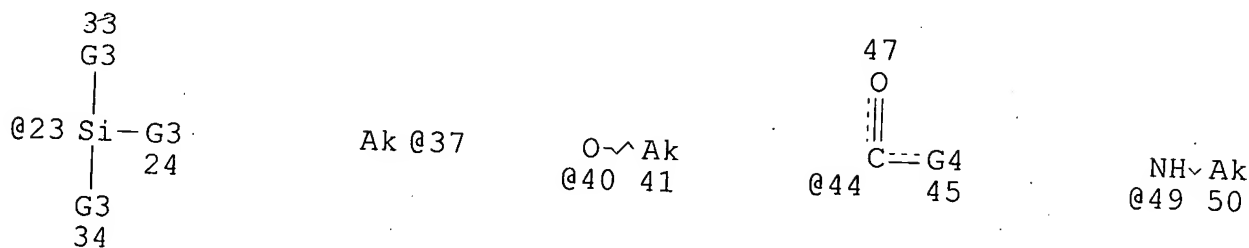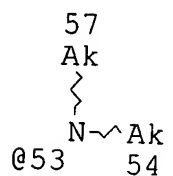
FILE 'REGISTRY'

```
=> d 126 que stat
L3               SCR 1771
L5               SCR 2043
L7               SCR 1838
L9               STR
```

```
                       21                                                22
                       O                                                 G3
  1                    ||                              @13               |
   S⌁G1—G2          N═══Ak          @10 Si E3        Si—G3        @17  Si—G3
  E1   2   3        @6    7                          E2   14        E1      18
```

Page 1-A

```
      33                                              47
      G3                                              O
      |                                               ||
  @23 Si—G3        Ak @37          O⌁Ak             C═══G4            NH⌣Ak
      |    24                      @40 41          @44    45         @49 50
      G3
      34
```

Page 1-B

```
      57
      Ak
      〉
      N⌁Ak
  @53    54
```

Page 1-C
REP G1=(1-20) CH2
VAR G2=ME/COOH/OH/CHO/6/44/10/13/17/23
VAR G3=40/37/OH
VAR G4=NH2/49/53
NODE ATTRIBUTES:
```
HCOUNT   IS E1      AT   1
HCOUNT   IS E3      AT  10
HCOUNT   IS E2      AT  13
HCOUNT   IS E1      AT  17
```
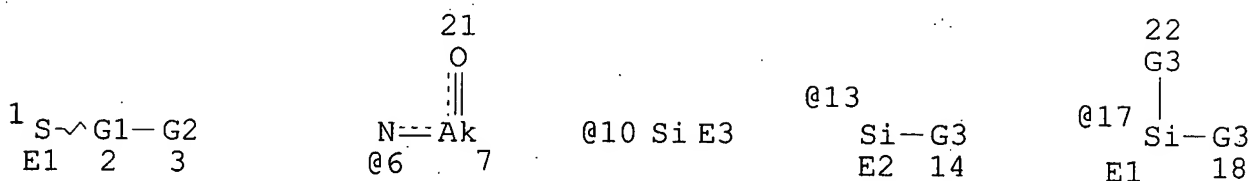
```
CONNECT IS E1  RC AT    1
CONNECT IS E2  RC AT    7
CONNECT IS E1  RC AT   37
CONNECT IS E1  RC AT   41
CONNECT IS E1  RC AT   50
CONNECT IS E1  RC AT   54
CONNECT IS E1  RC AT   57
DEFAULT MLEVEL IS ATOM
GGCAT   IS SAT   AT    7
GGCAT   IS SAT   AT   37
GGCAT   IS SAT   AT   41
GGCAT   IS SAT   AT   50
GGCAT   IS SAT   AT   54
GGCAT   IS SAT   AT   57
DEFAULT ECLEVEL IS LIMITED
```

GRAPH ATTRIBUTES:
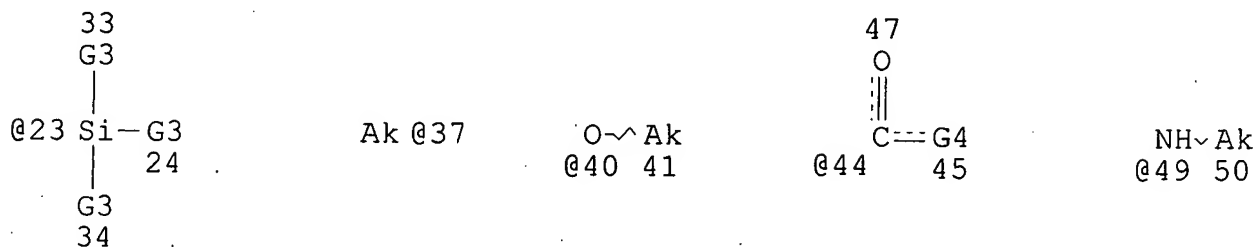RING(S) ARE ISOLATED OR EMBEDDED
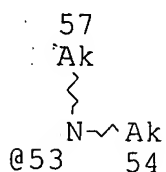NUMBER OF NODES IS 27

STEREO ATTRIBUTES: NONE

L11   1033 SEA FILE=REGISTRY SSS FUL L9 AND L3 NOT (L5 OR L7)
L24   STR

Page 1-A

Page 1-B

```
Page 1-C
REP G1=(7-20) CH2
VAR G2=ME/COOH/OH/CHO/6/44/10/13/17/23
VAR G3=40/37/OH
VAR G4=NH2/49/53
NODE ATTRIBUTES:
HCOUNT  IS E1       AT   1
HCOUNT  IS E3       AT   10
HCOUNT  IS E2       AT   13
HCOUNT  IS E1       AT   17
CONNECT IS E1  RC AT   1
CONNECT IS E2  RC AT   7
CONNECT IS E1  RC AT   37
CONNECT IS E1  RC AT   41
CONNECT IS E1  RC AT   50
CONNECT IS E1  RC AT   54
CONNECT IS E1  RC AT   57
DEFAULT MLEVEL IS ATOM
GGCAT    IS SAT   AT    7
GGCAT    IS SAT   AT    37
GGCAT    IS SAT   AT    41
GGCAT    IS SAT   AT    50
GGCAT    IS SAT   AT    54
GGCAT    IS SAT   AT    57
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   27

STEREO ATTRIBUTES: NONE
L26            240 SEA FILE=REGISTRY SUB=L11 SSS FUL L24

100.0% PROCESSED     320 ITERATIONS                    240 ANSWERS
SEARCH TIME: 00.00.01



=> file hca
FILE 'HCA'
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=> d 150 1-10 cbib abs hitstr hitind
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```
      FILE 'CAPLUS' ENTERED AT 15:25:20 ON 17 NOV 2005
L1       20892 SEA ABB=ON   PLU=ON   (STEEL? (10A) ?GALV?)
L2       21588 SEA ABB=ON   PLU=ON   (STEEL? (10A) ?PHOSPH?)
L3        2209 SEA ABB=ON   PLU=ON   L1 AND L2
L4           0 SEA ABB=ON   PLU=ON   L3 AND (ALKANETHIOL? OR ((?ALKANE? OR
                  ?ALKYL?) (5A) (?THIOL?  OR ?MERCAPTAN?)))
L5          13 SEA ABB=ON   PLU=ON   L3 AND FINGERPRINT?
L6          13 FOCUS L5 1-
                  D 1-13 ALL RN
L7          25 SEA ABB=ON   PLU=ON   L3 AND (?THIOL?  OR ?MERCAPTAN?)
L8          25 SEA ABB=ON   PLU=ON   L7 NOT L5
L9          25 FOCUS L8 1-
                  D 1-25 ALL RN


      FILE 'REGISTRY' ENTERED AT 15:41:27 ON 17 NOV 2005
L10          1 SEA ABB=ON   PLU=ON   2885-00-9
                  D
L11          1 SEA ABB=ON   PLU=ON   2917-26-2
                  D
L12          1 SEA ABB=ON   PLU=ON   7773-83-3
                  D


      FILE 'CAPLUS' ENTERED AT 15:42:15 ON 17 NOV 2005
L13       2490 SEA ABB=ON   PLU=ON   L10 OR L11 OR L12
L14          2 SEA ABB=ON   PLU=ON   L3 AND L13
                  D 1-2 ALL


      FILE 'USPATFULL, USPAT2' ENTERED AT 15:45:05 ON 17 NOV 2005
L15        247 SEA ABB=ON   PLU=ON   L10 OR L11 OR L12
L16         20 SEA ABB=ON   PLU=ON   L10 OR L11 OR L12
      TOTAL FOR ALL FILES
L17        267 SEA ABB=ON   PLU=ON   L13
L18          2 SEA ABB=ON   PLU=ON   L3 AND L13
L19          0 SEA ABB=ON   PLU=ON   L3 AND L13
      TOTAL FOR ALL FILES
L20          2 SEA ABB=ON   PLU=ON   L14
                  D 1-2 BIB AB
                  D 1-2 BIB AB IND RN


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